PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:	A1	(11) International Publication Number:	WO 00/50338
C01B 13/11		(43) International Publication Date:	31 August 2000 (31.08.00)

(21) International Application Number: PCT/ZA00/00031

(22) International Filing Date: 24 February 2000 (24.02.00)

(30) Priority Data:

99/1479 24 February 1999 (24.02.99) ZA 00/0259 21 January 2000 (21.01.00) ZA 00/0887 23 February 2000 (23.02.00) ZA

(71) Applicant (for all designated States except US): POTCHEF-STROOM UNIVERSITY FOR CHRISTIAN HIGHER ED-UCATION [ZA/ZA]; I Hoffman Street, 2531 Potchefstroom (ZA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): VISSER, Barend [ZA/ZA]; 30 Reitz Street, 2531 Potchefstroom (ZA).

(74) Agent: D.M. KISCH INC.; P.O. Box 781218, 2146 Sandton (ZA).

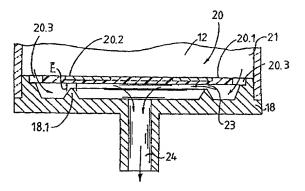
(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: METHOD AND APPARATUS FOR PRODUCING OZONE



(57) Abstract

A method of producing ozone comprises the steps of generating intermittent bursts of corona discharge in an electrode region 20.2, and passing oxygen-containing fluid through the region, thereby to cause ionization of the oxygen. The electrode is energized by a train of voltage pulses. Each pulse has a rise time of better than 2kV/100ns.